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## CERTIFICATE OF ANALYSIS

|                          |                           |
|--------------------------|---------------------------|
| <b>MATERIAL</b>          | <b>GINGER OIL CHINESE</b> |
| <b>EINECS CAS NUMBER</b> | <b>84696-15-1</b>         |
| <b>CAS NUMBER</b>        | <b>8007-08-7</b>          |
| <b>EC NUMBER</b>         | <b>283-634-2</b>          |
| <b>FEMA NUMBER</b>       | <b>2522</b>               |
| <b>BATCH NUMBER</b>      | <b>GINC-011973</b>        |
| <b>LOT NUMBER</b>        | <b>20.08.436.A</b>        |
| <b>ORDER NUMBER</b>      | <b>EMAIL</b>              |
| <b>QUANTITY</b>          | <b>5 KGS</b>              |

|                                |  |
|--------------------------------|--|
| <b>Description</b>             | <b>Steam distillation of the root of Zingiber Officinale</b> |
| <b>Appearance</b>              | <b>Pale yellow to amber liquid</b>                           |
| <b>Odour</b>                   | <b>Characteristic</b>  |
| <b>Optical Rotation @ 20°C</b> | <b>-33.32</b>  |
| <b>Specific Gravity @ 20°C</b> | <b>0.880</b>   |
| <b>Refractive Index @ 20°C</b> | <b>1.4890</b>  |
| <b>Flashpoint</b>              | <b>66°C</b>  |
| <b>Solubility</b>              | <b>Soluble in ethanol</b>                                    |

### Chromatographic Characteristics (GLC)

|                    |               |
|--------------------|---------------|
| <b>Zingiberene</b> | <b>31.97%</b> |
|--------------------|---------------|

**Manufacture Date**                      **February 2020**

**Shelf Life**                                **18 Months**

**Best Before**                              **August 2021**  
**After this delay, the quality must be checked.**

### Storage

**Original unopened container, at ambient temperature, under dry conditions and away from light. The shelf life is not valid out of the mentioned conditions.**

### Handling

**According to IFRA Code of Practice.**

### Caution

**Concentrated product for industrial use avoid contact with eyes and mucous. Do not drink.**

**This information contained in this data sheet is to the best of our knowledge, including the data supplied by our suppliers, current at the mentioned date and remain the property of the issuer. Alteration can result of improper transport and/or storage. The certificate does not release the user from the responsibility of undertaking his own tests of conditions and suitability in the intended uses with regard to the current legal and statutory measures.**

**CRAIG STEVENSON**  
**19 February 2020**